

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Nathan Yen et al.

Confirmation No.: 4936

Application No.: 09/728,292

Examiner: Jack, Todd M.

Filing Date: Dec. 1, 2000

Group Art Unit: 2133

Title: AUTHENTICATABLE GRAPHICAL BAR CODES

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- () under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97 (c) together with either a:
() Statement under 37 CFR 1.97(e), or
(X) a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97 (d) together with a:
() Statement under 37 CFR 1.97(e)(1) or (2), and
() a \$180.00 fee set forth in 37 CFR 1.17(p).
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01/07/2005 RFEKADU1 00000001 082025 09728292
02 FC:1806 180.00 DA

Please charge to Deposit Account **08-2025** the sum of \$180.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Typed Name: Edouard Garcia

Signature: [Signature]

Respectfully submitted,

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By [Signature]

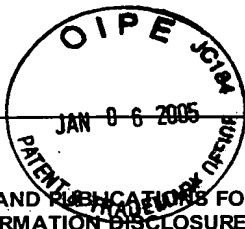
Edouard Garcia

Attorney/Agent for Applicant(s)

Reg. No. **38,461**

Date: **Jan. 3, 2005**

Telephone No.: **(650) 631-6591**



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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10004133-1

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2133

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,526,155	Feb. 2003	Wang	
	1B	6,493,110	Dec. 2002	Roberts	
	1C	6,470,096	Oct. 2002	Davies et al.	
	1D	6,457,651	Oct. 2002	Paul et al.	
	1E	6,430,302	Aug. 2002	Rhoads	
	1F	6,427,021	Jul. 2002	Fischer et al.	
	1G	6,398,117	Jun. 2002	Oakeson et al.	
	1H	6,373,587	Apr. 2002	Sansone	
	1I	6,364,209	Apr. 2002	Tatsuta et al.	
	1J	6,311,214	Oct. 2001	Rhoads	
	1K	6,263,086	Jul. 2001	Wang	

FOREIGN PATENT DOCUMENTS

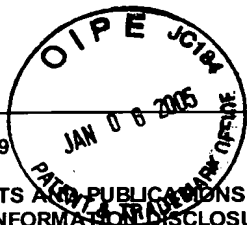
		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO 0011599	3/2/00	Chang		
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Zhigang Fan, "Dot-to-dot error diffusion," Journal of Electronic Imaging, Vol. 2(1) (Jan. 1993).
	1R	N. Damara-Venkata and B. L. Evans, "FM Halftoning Via Block Error Diffusion," Proc. IEEE International Conference on Image Processing, Oct. 7-10, 2001, vol. II, pp. 1081-1084, Thessaloniki, Greece.
	1S	Antognini et al., "A Flexibly Configurable 2D Bar Code," pp. 1-36 (Before May 25, 2000) (http://www.paperdisk.com/ibippa-pr.htm).

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	2A	6,256,398	Jul. 2001	Chang	
	2B	6,252,675	Jun. 2001	Jacobs	
	2C	6,240,212	May 2001	Son et al.	
	2D	6,240,196	May 2001	Fischer et al.	
	2E	6,212,504	Apr. 2001	Hayosh	
	2F	6,201,901	Mar. 2001	Zhou et al.	
	2G	6,193,158	Feb. 2001	Hecht et al.	
	2H	6,175,827	Jan. 2001	Cordery et al.	
	2I	6,172,773	Jan. 9, 2001	Ulichney	
	2J	6,151,590	Nov. 2000	Cordery et al.	
	2K	6,141,450	Oct. 31, 2000	Chen et al.	

FOREIGN PATENT DOCUMENTS

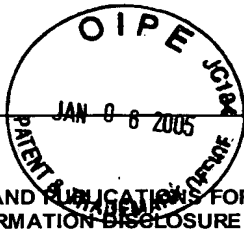
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REFERENCE DESIGNATION**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	6,141,441	Oct. 31, 2000	Cass et al.	
	3B	6,116,510	Sep. 2000	Nishino	
	3C	6,064,764	May 2000	Bhaskaran et al.	
	3D	6,064,738	May 2000	Fridrich	
	3E	6,032,861	Mar. 2000	Lemelson et al.	
	3F	5,996,893	Dec. 1999	Soscia	
	3G	5,982,896	Nov. 1999	Cordery et al.	
	3H	5,060,980	10/29/91	Johnson et al.	
	3I	5,953,426	Sep. 1999	Windel et al.	
	3J	5,947,200	Oct. 1999	Zhou et al.	
	3K	5,946,415	Aug. 1999	Su et al.	

FOREIGN PATENT DOCUMENTS

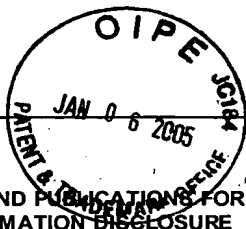
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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	4A	5,912,745	Jun. 15, 1999	Ulichney	
	4B	5,898,166	Apr. 1999	Fukuda et al.	
	4C	5,897,669	Apr. 1999	Matsui	
	4D	5,880,451	Mar. 1999	Smith et al.	
	4E	5,871,288	Feb. 1999	Ryan et al.	
	4F	5,866,895	Feb. 1999	Fukuda et al.	
	4G	5,835,615	Nov. 1998	Lubow et al.	
	4H	5,819,240	Oct. 6, 1998	Kara	
	4I	5,818,970	Oct. 6, 1998	Ishikawa et al.	
	4J	5,801,944	Sep. 1, 1998	Kara	
	4K	5,799,112	Aug. 25, 1998	de Quieroz et al.	

FOREIGN PATENT DOCUMENTS

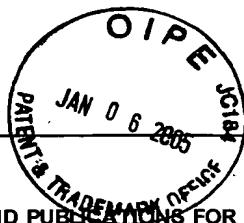
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2133**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	5A	5,790,703	Aug. 1998	Wang	
	5B	5,486,686	1/23/96	Zdybel Jr. et al.	
	5C	5,710,814	Jan. 1998	Klemba et al.	
	5D	5,706,099	Jan. 1998	Curry	
	5E	5,682,030	Oct. 1997	Kubon	
	5F	5,591,956	Jan. 1, 1997	Longacre Jr.	
	5G	5,550,365	Aug. 1996	Klancnik et al.	
	5H	5,541,396	Jul. 1996	Rentsch	
	5I	5,523,552	Jun. 1996	Shellhammer et al.	
	5J	5,513,563	May 1996	Berson	
	5K	5,339,170	Aug. 16, 1994	Fan	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	6A	5,337,361	Aug. 9, 1994	Wang	
	6B	5,315,098	May 1994	Tow	
	6C	5,120,940	Jun. 1992	Willsie	
	6D	5,091,966	Feb. 1992	Bloomberg et al.	
	6E	5,075,862	Dec. 1991	Doebert et al.	
	6F	4,924,078	May 1990	Sant'Anselmo et al.	
	6G	4,901,073	Feb. 1990	Kibrick	
	6H	4,822,986	Apr. 1989	Guthmueller et al	
	6I	4,777,357	Nov. 11, 1998	Harada	
	6J	4,637,051	Jan. 1987	Clark	
	6K	2001/0047476	Nov. 2001	Yen et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
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	7A	5,459,307	10/17/95	Klotz Jr.	
	7B	5,661,284	8/26/97	Freeman	
	7C	5,195,123	3/1993	Clement Jr.	
	7D	5,527,407	6/1996	Gartland et al.	
	7E	5,644,408	7/1997	Li et al.	
	7F	6,510,997	1/2003	Wilz et al.	
	7G	6,611,623	8/2003	Konishi et al.	
	7H	5,710,636	1/1998	Curry	
	7I	5,315,098	5/1994	Tow	
	7J	6,345,104	2/2002	Rhoads	
	7K	5,964,414	8/1999	Cass	

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